904-543-1223, 800-997-2443, Fax: 904-543-1330, www.paigeelectric.com

Paige spec P7326M-SP

HEAVY-DUTY MINING CABLE

FLAT SUBMERSIBLE pumpwire EXTRA FLEXIBLE

WE SPECIALIZE IN SUBMERSIBLES

HYDROFLEX 600/2000 VOLTS
3 CONDUCTOR WITH OR WITHOUT GROUND

INSULATION: **(EPR) ETHYLENE PROPYLENE RUBBER**

JACKET: **(CPE) CHLORINATED POLYETHYLENE RUBBER**

SIZES: **4 - 500MCM**

90°C Dry, 90°C Wet, Min. ambient temp. -40°C

RoHS COMPLIANT

MSHA

UL

1.0 APPLICATIONS:

1.1 Extra Flexible, high ampacity, Flat Rubber Submersible Pump Cable for use within well casings for wiring deep-well submersible water pumps, mining applications. Hydroflex is especially efficient for use in municipal applications, cold weather, flame retardant and high ampacity requirements.

2.0 CONSTRUCTION:

2.1 ***Conductors:***
Soft Bare, annealed copper per ASTM B-3 and ASTMB-172 **Flexible, Rope-lay-stranded**.

2.2 ***Insulation:***
Ethylene-propylene rubber (EPR) as per clause 7.2.4 of UL 44 plus faced rubber filled binder tape. The insulation is acceptable for use in locations at 90°C.

2.3 ***Ground Conductor:***
Soft Bare, annealed copper per ASTMB-3 and ASTMB-172 Flexible Rope-lay-stranded. Insulation EPR 90°C and the nominal overall diameter shall equal the insulated circuit conductors.

2.4 ***Assembly:***
The insulated circuit and grounding conductors are laid flat and parallel together. The jacket will be applied directly over the insulated conductors encapsulating them.

2.5 ***Jacket:***
Black Extra Heavy Duty thermosetting 90°C rated chlorinated polyethylene rubber (CPE) which meets requirements of Par. 3.21 if ICEA S-75-381 and clause 7.2.6 of UL 44. Neoprene optional jacket available.

2.6 ***Color Code:***
Black, yellow, red & green with yellow stripe grounding conductor.

2.7 ***Surface Marking:***
The overall jacket (CPE) will have the following information printed: PAIGE ELECTRIC HYDROFLEX SUBMERSIBLE PUMP CABLE NUMBER AND SIZE (AWG) of conductors, EPR/CPE 6--/2000V 90°C (UL)

2.8 ***Approvals:***
MSHA: P-07-KA060001-MSHA
UL: E193954

3.0 *Dimensions:*

Conductor Size	Number of Insulated Conductors	Grounding Conductor Size	Power Conductor Sranding	Nominal Insulation Thickness		Cable O.D.		Cable Weight	Ampacity @ 30°C Ambient Temp. *
AWG or MCM		AWG	No. of Stranding	INCHES	MM	INCHES	MM	(LB/MFT)	
4	3	N/A	412 x 0.01	0.06	1.52	1.43 X 0.67	36.4 x 17.0	806	95
2	3	N/A	259 x 0.0159	0.06	1.52	1.65 x 0.72	41.8 x 18.2	1209	130
1/0	3	N/A	414 x 0.0159	0.08	2.03	1.98 x 0.87	50.4 x 22.1	1867	170
2/0	3	N/A	522 x 0.0159	0.08	2.03	2.13 x 0.92	54.0 x 23.3	2172	195
4/0	3	N/A	829 x 0.0159	0.08	2.03	2.36 x 1.14	60.0 x 29.0	2842	260
250	3	N/A	973 x 0.0159	0.095	2.41	2.93 x 1.33	74.6 x 33.9	3894	290
350	3	N/A	1361 x 0.0159	0.095	2.41	3.15 x 1.41	80.0 x 35.8	5106	350
500	3	N/A	1921 x 0.0159	0.095	2.41	3.74 x 1.56	95.1 x 39.7	6920	430
4	3	6	412 x 0.01	0.06	1.52	1.83 X 0.67	46.4 x 17.0	1118	95
2	3	5	259 x 0.0159	0.06	1.52	2.04 x 0.72	51.8 x 18.2	1470	130
1/0	3	3	414 x 0.0159	0.08	2.03	2.54 x 0.87	64.4 x 22.1	2270	170
2/0	3	2	522 x 0.0159	0.08	2.03	2.75 x 0.92	69.8 x 23.3	2710	195
4/0	3	1/0	829 x 0.0159	0.08	2.03	3.39 x 1.14	86.0 x 29.0	3615	260
250	3	2/0	973 x 0.0159	0.095	2.41	3.92 x 1.33	99.6 x 33.9	4990	290
350	3	3/0	1361 x 0.0159	0.095	2.41	4.22 x 1.41	107.2 x 35.8	6450	350
500	3	250	1921 x 0.0159	0.095	2.41	4.83 x 1.56	122.8 x 39.7	8533	430

*Ampacities (Amps per conductor) are based on 30°C ambient temperature. 90°C conductor temperature copper per the NEC Table 310-16.